| Index | of | C | ai | m |  |
|-------|----|---|----|---|--|
|       |    |   |    |   |  |



Application No. Applicant(s)
09/509,237 ROSE ET AL.
Examiner Art Unit

Blessing M. Fubara

1615

| <b>√</b> | Rejected |  |
|----------|----------|--|
| =        | Allowed  |  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Clair           | m        |                   | 1        | _                       | Da              | ite          |                 |          |            |                                       | Cla      | im       | Π        |          |          | C                  | )ate     |          |         |        |         | CI       | aim        | L.       |                 |          | •(       | Dat      | e        |          |          |          |
|-----------------|----------|-------------------|----------|-------------------------|-----------------|--------------|-----------------|----------|------------|---------------------------------------|----------|----------|----------|----------|----------|--------------------|----------|----------|---------|--------|---------|----------|------------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|
|                 | a        | 3                 | 逐        | Ž                       | 1               |              |                 |          | 1.5        |                                       |          | æ        |          |          |          |                    |          | Т        | T       | Т      | 44      |          | -a         | Γ        | ΙΤ              |          |          |          | Γ        |          |          |          |
| Final           | Original | /{?c/#            | rela     | Joile                   | 1               |              | ı               | i        | 2000       |                                       | Final    | Original |          |          |          |                    |          | - 1      |         |        |         | Final    | Original   | 1        |                 |          | l        |          | l        |          | į,       |          |
| Œ               | ð        | 4                 | á        | $\stackrel{>}{\approx}$ | <b>!</b>        |              |                 |          | 1          | 7                                     | Œ        | Ö        |          | l        |          |                    |          | - 1      |         |        |         | ΙŒ       | 5          | l        | l               | ı        | 1        |          |          | П        |          |          |
|                 |          | <u>H</u>          |          | _                       | $\vdash$        | 4-           | ╄               | Н        |            | Ξ                                     | <u> </u> |          | <u> </u> | $\sqcup$ |          | 4                  | -        | _        | _       | 4      | 128     | <u> </u> |            | ╙        |                 | _        | ┖        | L        | _        | Ш        |          | L        |
| <del></del>     | 1        |                   | $\sim$   | 7                       | ┵               | +            | ├               | _        |            | Ė                                     | · · ·    | 51       | _        | Н        |          | -                  | _        | 4        | 4       | +      | 퍭       |          | 101        | ┞        | Ш               | <u> </u> | ╙        | ┞-       | ├_       | Ш        | oxdot    |          |
| $\vdash$        | 2        | 7                 |          | 1                       | ₩               | ╀            | ╁               | Н        | Н          |                                       |          | 52       | Н        | Н        | $\dashv$ | -                  | -        | -        | 4       | +      |         | <u> </u> | 102        | ⊢        | _               | ļ        | L        | ⊢        | ├-       | Н        | $\vdash$ | _        |
| $\vdash$        | 3        | 4                 | Ż        | /                       | -               | +            | $\vdash$        | -        |            | 1                                     |          | 53<br>54 |          | $\vdash$ |          | -                  | -        | -        | +       | -      | 鼺       | <u> </u> | 103        | ┢        | $\vdash$        | ⊢        | ⊢        | ⊢        | ├-       | Н        | $\vdash$ | Ŀ        |
| <del> </del>    | 5        | $\rightarrow$     |          | -                       | ╁╌┼╴            | +            | ╀╌              | -        |            | -                                     |          | 55       | H        | Н        | $\dashv$ | $\dashv$           | -        | -        | +       | -      |         | _        | 104<br>105 | ├        | H               | H        | ┝        | ⊢        | <b>!</b> | H        |          |          |
| <del>├─</del> ┼ | 6        |                   | 1        | 1                       | $\vdash$        | ╁            | ╁               | Н        |            | 2                                     |          | 56       | Н        | Н        | $\dashv$ | $\dashv$           |          | -        | +       | +      |         | _        | 105        | ⊢        | -               | -        | -        | ├        | -        |          | $\vdash$ | -        |
| $\vdash$        | 7        | $^{\prime\prime}$ | 1        | 7                       | $\vdash$        | +            | ┢               | Н        |            | Ē                                     |          | 57       | Н        | Н        | -        | $\dashv$           | $\dashv$ | -        | ┰       | +-     |         |          | 107        | -        | $\vdash$        | _        | ⊢        | -        | ⊢        | ┥        | $\dashv$ | H        |
| $\vdash$        | 8        |                   | V        | Ż                       |                 | ╁            | ╁╌              | Н        | -          | .2<br>(%)                             |          | 58       | Н        | Н        | ᅱ        | +                  | -+       | +        | +       |        |         |          | 108        | ╁╌       | $\vdash$        | $\vdash$ | -        | ⊢        | ├        | ⊢        | -        | <u> </u> |
| -               | 9        |                   |          | V                       | <b>/</b>        | +-           | -               | H        |            | 1                                     |          | 59       | Н        | $\vdash$ | $\dashv$ | $\dashv$           | $\dashv$ | $\dashv$ | +       | +      |         | -        | 109        | ┢        |                 | ┝        | ┝        | ┝        | ┢        | Н        | H        | -        |
|                 | 10       |                   | *        | _                       | $\vdash$        | +-           | $\vdash$        | Н        |            | ž                                     |          | 60       | Н        | H        | 7        | 7                  | 7        | 7        | $\top$  | +      |         | _        | 110        | ┢        | Н               | ┢        | ┢        | H        | ┢        | Н        | Н        |          |
|                 | 11       | $\overline{}$     | 7        | 7                       | $\vdash$        | T            | T               | П        |            | 藍                                     |          | 61       | Н        |          |          | 7                  | $\dashv$ | $\dashv$ | +       | +-     | Ē       |          | 111        |          | Н               | $\vdash$ | ┢        | $\vdash$ | -        | H        | $\vdash$ | -        |
|                 | 12       | Z                 | フ        | 7                       | $\vdash$        | $\top$       | T               | П        |            |                                       |          | 62       | $\Box$   | $\vdash$ | $\dashv$ | 一                  | -+       | $\dashv$ | $\top$  | +      |         |          | 112        | t        | Н               | $\vdash$ | $\vdash$ | Н        | Н        | Н        | $\dashv$ |          |
|                 | 13       | 7                 | 口        | 7                       |                 | 1            |                 | П        |            | į.                                    | ,        | 63       | П        | $\Box$   | 7        | _                  | ╛        | $\dashv$ | $\top$  | $\top$ | 壪       |          | 113        | $\vdash$ | Н               | Н        | Н        | Ė        |          | $\vdash$ | $\dashv$ |          |
|                 | 14       | 7                 |          | 7                       | $\sqcap$        | Τ            |                 | П        |            |                                       |          | 64       | М        |          | 寸        | 寸                  | 7        | +        | $\top$  | $\top$ | 1       |          | 114        | 1        | Н               | $\vdash$ |          |          |          | H        | $\neg$   |          |
|                 | 15       | П                 |          |                         |                 | T            | П               | П        |            |                                       |          | 65       |          |          | 1        | $\overline{\cdot}$ | $\dashv$ | $\top$   | _       | $\top$ | 5,5     |          | 115        | Г        | М               | П        | Г        |          |          | П        | $\dashv$ | _        |
|                 | 16       |                   |          |                         |                 | Ι            | $\Gamma$        |          |            |                                       |          | 66       |          | $\Box$   | ╛        | $\neg$             | $\neg$   | $\neg$   | 1       | $\top$ |         |          | 116        | Г        | П               |          |          |          |          | П        | $\dashv$ |          |
|                 | 17       |                   |          |                         |                 | I            | Π               |          | 1          |                                       |          | 67       |          |          |          |                    |          |          |         | I      |         |          | 117        |          |                 |          |          |          |          |          | $\neg$   |          |
|                 | 18       |                   |          |                         |                 | T            |                 |          |            |                                       |          | 68       |          |          |          |                    |          |          | Т       | Т      |         |          | 118        |          |                 |          |          |          |          | П        |          |          |
|                 | 19       |                   |          |                         |                 | $\mathbf{I}$ |                 |          | 1          | いた。                                   |          | 69       |          |          |          |                    |          | T        | T       |        |         |          | 119        |          |                 |          |          |          |          | П        |          |          |
|                 | 20       |                   |          |                         |                 |              |                 |          | , E        | 3                                     | . ]      | 70       |          |          |          | П                  | П        | Т        | Т       | Т      | 講       |          | 120        |          |                 |          |          |          |          |          |          | _        |
|                 | 21       |                   |          |                         |                 | L            |                 |          | 297.75     |                                       |          | 71       |          |          | $\Box$   | $\Box$             |          | $\Box$   |         |        |         |          | 121        |          |                 |          |          |          |          | П        |          |          |
|                 | 22       | •                 |          |                         |                 |              |                 |          |            |                                       |          | 72       |          |          |          |                    | $\Box$   |          | $\perp$ |        |         |          | 122        |          |                 |          |          |          |          |          | ╗        |          |
|                 | 23       |                   |          |                         |                 |              |                 | Ш        | 104        | 100                                   |          | 73       |          |          |          |                    |          |          |         |        |         |          | 123        |          |                 |          |          |          |          |          |          |          |
|                 | 24       |                   | _        |                         |                 | L            |                 | Ш        | -          |                                       |          | 74       |          |          |          |                    |          |          |         |        |         |          | 124        |          |                 |          |          |          |          |          |          |          |
|                 | 25       |                   | _        |                         |                 | ┺            | $oxed{oxed}$    | Ш        |            |                                       |          | 75       | Ц        | _        | $\perp$  | $\perp$            | _        |          | _[      |        |         |          | 125        |          |                 |          |          |          |          |          |          |          |
|                 | 26       | _                 | _        | _                       | oxdot           | 1            |                 |          |            |                                       |          | 76       |          | _        | _        | $\perp$            |          | $\perp$  | ⊥       |        |         |          | 126        |          |                 |          |          |          |          |          |          |          |
|                 | 27       | _                 | _        | _                       | Щ.              | 4_           | Ш               |          | _          | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |          | 77       |          | _        | _        | 4                  | _        | _        | _       | ᆚ_     | en      |          | 127        |          |                 |          |          |          |          | Ц        | Ц        | _        |
|                 | 28       | $\dashv$          | _        | _                       | $\vdash \vdash$ | _            | Щ               | 니        |            | i.                                    | _        | 78       |          | _        | _        | 4                  | 4        | 4        | 4       |        | E       |          | 128        |          |                 |          |          |          |          | Ц        |          |          |
|                 | 29       |                   |          | _                       | $\vdash$        | ╄            | Ы               | $\sqcup$ |            | th<br>th                              |          | 79       | Ц        | _        | _        | 4                  | 4        | 4        | 4.      | -      | 籃       |          | 129        | L        |                 | _        |          | _        |          | Ц        | _        |          |
|                 | 30       |                   |          | _                       |                 | +            | L               | $\sqcup$ | -          | 1.4                                   |          | 80       |          |          | -        | _                  |          | 4        |         | ┸      | 1       |          | 130        | _        | _               |          |          |          |          | Щ        | _        |          |
|                 | 31       |                   |          | -                       | $\vdash$        | +-           | ┥               | Н        | <b>—</b> § | 21.74                                 |          | 81       | Н        | -        | -        | 4                  | 4        | 4        | +       | 4      |         |          | 131        |          | Ц               |          |          |          |          | $\dashv$ | _        |          |
|                 | 32       | -                 |          |                         | -               | ╄            | -               | $\dashv$ | —12        | 12183                                 |          | 82       | $\dashv$ | -        |          | 4                  |          | +        | +       | _      | 語       |          | 132        |          | $\dashv$        | _        |          | _        |          | _        | _        | _        |
|                 | 33<br>34 |                   |          |                         |                 | ╀            | -               | $\dashv$ | -4]        |                                       |          | 83       | $\vdash$ | -        | 4        | -+                 |          | +        | +       | 4      |         |          | 133        |          | -               |          |          |          | _        |          |          |          |
|                 | 35       |                   | $\dashv$ | -                       | +               | +            | $\vdash \vdash$ | ⊦⊣       |            | が対対                                   |          | 84<br>85 | $\vdash$ | -        | +        | $\dashv$           | +        | +        | +       | +      | 量       |          | 134<br>135 | Н        | $\vdash \vdash$ | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$ | 4        |          |
|                 | 36       | -                 | ╛        | -                       | +               | +            | Н               | ┝╼╂      | -          | 訓                                     |          | 86       |          | $\dashv$ | +        | $\dashv$           | -+       | +        | +       | +      |         |          | 136        | Н        | $\dashv$        | $\dashv$ | _        | $\vdash$ | -        | $\dashv$ |          | -        |
|                 | 37       | -                 | $\dashv$ | $\dashv$                |                 | +            | Н               | $\vdash$ | -          | 9                                     |          | 87       |          |          | +        | $\dashv$           | ┰        | +        | +       | +-     |         |          | 136        | $\vdash$ |                 | -        |          | $\dashv$ | $\dashv$ | -+       | $\dashv$ | -        |
|                 | 38       | 一                 | $\dashv$ | $\dashv$                | -               | ╁╌           | Н               | H        |            |                                       |          | 88       | $\dashv$ | $\dashv$ | ╅        | -1                 | +        | +        | ╫       | +      |         |          | 138        | $\vdash$ | -               | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|                 | 39       | -                 | $\dashv$ | $\dashv$                | +               | ╁            | Н               | $\vdash$ |            |                                       |          | 89       | $\dashv$ | $\dashv$ | ┥        | +                  | $\dashv$ | +        | ╫       | +      | EB*7.55 | -        | 139        | -        | $\dashv$        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          |
|                 | 10       |                   | -        | $\dashv$                | +               | +-           | Н               | $\dashv$ |            | 計                                     |          | 90       | -        | $\dashv$ | $\dashv$ | +                  | +        | +        | +       | +      | 100     | -        | 140        | $\vdash$ | $\dashv$        |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|                 | 41       |                   | $\dashv$ | -                       | +               | +            | Н               | $\dashv$ | -12        | H                                     | $\dashv$ | 91       | $\dashv$ | -+       | $\dashv$ | +                  | +        | +        | +       | +-     | 74      |          | 141        | $\vdash$ | $\dashv$        |          |          | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |
|                 | 12       | $\dashv$          | 7        | 7                       | +               | +            | Н               |          | -1         |                                       | $\dashv$ | 92       |          |          | $\dashv$ | +                  | $\dashv$ | +        | +       | +-     |         | $\dashv$ | 142        | -        | $\dashv$        | ᅱ        | $\dashv$ |          | -        | $\dashv$ | -1       | ᅱ        |
|                 | 13       | -                 | -        | -                       |                 | +            | Н               | -        |            |                                       | _        | 93       | $\dashv$ |          | 十        | +                  | $\dashv$ | +        | +       | +      |         |          | 143        |          | -               | ᅱ        | ᅱ        | ┥        | $\dashv$ | -+       | $\dashv$ | ᅱ        |
|                 | 14       | $\neg$            | -        | ᅥ                       | $\top$          | T            | Н               | 1        | 1          | <b>\$</b>                             | $\dashv$ | 94       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$           | $\dashv$ | 十        | +       | +      |         | -        | 144        | $\dashv$ | $\dashv$        |          |          |          | -        | $\dashv$ | ┪        | $\dashv$ |
|                 | 15       | $\dashv$          | 寸        | _                       | _               | 1            | П               | $\dashv$ | -          |                                       |          | 95       | 7        | $\dashv$ | $\dashv$ | $\dashv$           | 7        | $\dashv$ | +       | +      |         |          | 145        |          | -               | ᅥ        | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | 7        | $\dashv$ |
|                 | 16       | ┪                 | 寸        | ┪                       | $\neg \vdash$   | 1            | Н               | $\dashv$ |            |                                       |          | 96       | -        | $\dashv$ | $\dashv$ | $\dashv$           | +        | +        | +       | +      |         | $\neg$   | 146        | $\dashv$ | $\dashv$        | 7        | $\dashv$ | ┪        | ┪        | 十        | $\dashv$ | ⊣        |
|                 | 17       | 7                 | 7        | 7                       | $\neg \vdash$   | 1            | $\sqcap$        | $\neg$   |            |                                       |          | 97       | _        | $\dashv$ | $\dashv$ | 十                  | +        | 十        | +       | T      |         |          | 147        | $\neg$   | +               | -        | _        | ┪        |          | 十        | 十        | $\dashv$ |
|                 | 18       | _†                | _        | ┪                       | $\neg \vdash$   | T            | П               | 7        | 7          | 2                                     |          | 98       | 一        | $\dashv$ | $\top$   | $\dashv$           | +        | +        | $\top$  | $\top$ |         | $\dashv$ | 148        | $\dashv$ | $\dashv$        | ┪        | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | 7        | ┪        |
|                 | 19       | 7                 | _        | ┪                       | $\neg \vdash$   | T            | $\vdash$        | 寸        |            |                                       |          | 99       | _        | $\dashv$ | 寸        | $\dashv$           | 十        | 十        | +       | $\top$ |         |          | 149        | $\neg$   | _               | _        | _        | $\dashv$ | -        | 十        | 十        | ᅱ        |
| 5               | 50       | $\exists$         | 7        | 7                       | _               |              | $\Box$          | $\neg$   | <b>₩</b>   | ŀ                                     |          | 100      | 7        | $\dashv$ |          | $\dashv$           | 十        | _        | +       | +      |         |          | 150        | $\neg$   | _               | 7        | $\dashv$ | 7        | -        | 十        | 十        | ᅦ        |
|                 |          |                   |          |                         |                 | •            |                 | _        |            | ٠.                                    |          | •        |          |          |          |                    |          |          |         |        | Town:   |          |            |          |                 |          |          | 1        |          |          |          | _        |